

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) With a neat Sketch, explain the components of the I-Way.

Or

- (b) Illustrate the generic framework for Electronic Commerce.
12. (a) Briefly discuss the National Research and Education Network.

Or

- (b) Outline about the “Challenge Response Systems”.
13. (a) Describe briefly on “Electronic Commerce” and “World Wide Web”.

Or

- (b) Suggest a new security features to improve online shopping trust.
14. (a) Enumerate the applications of EDI in Business.

Or

- (b) Explicate the role of E-Commerce in Supply Chain Management.

15. (a) Classify the types of Digital Documents.

Or

- (b) How to chart the On-Line Marketing Process? Explain.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss about the Consumer applications of Electronic Commerce.
17. Describe the significance of Data and Message Security in detail.
18. Enumerate the types of Electronic Payment Systems and explain any two of them.
19. Exemplify the implementation of EDI Software.
20. Examine the importance of Computer based Education and Training System.



NOVEMBER/DECEMBER 2025

CCA33 — OPERATIONS RESEARCH

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define Slack Variable.
2. What is meant by an Optimum Solution?
3. Differentiate between Assignment Problem and Transportation Problem.
4. Write the types of Transportation Problem.
5. Give the definition of Sequencing Model.
6. State the notations used regarding Sequencing Models.
7. Enlist the Rules of Network Construction.